



Environmental Dataset Gateway Search and Discover 101

Presented by:

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January 2016



Search and Discover 101:

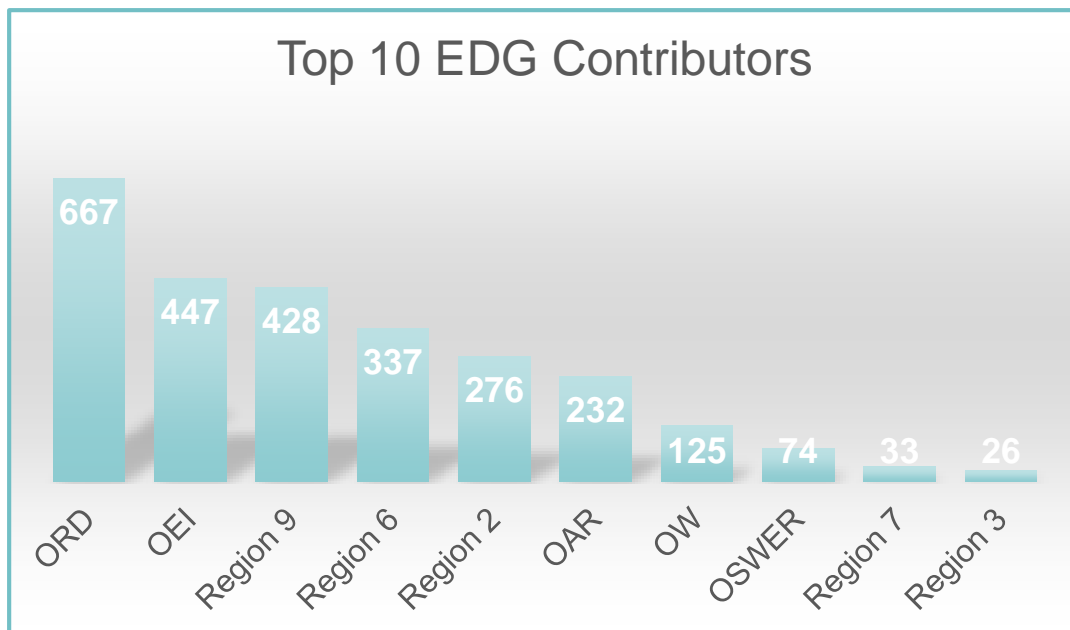
Welcome

- Welcome!
- Today's training is a basic training for searching EDG
- Developed based on feedback from a survey last spring
- Recorded version available online soon!
- Feel free to make requests for specific types of EDG training for the future



Search and Discover 101:

Introduction



Resource Title
EPA Office of Water (OW): 303(d) Listed Impaired Waters NHDPlus Indexed Dataset
EPA Office of Water (OW): Legacy USGS WBD Eight-Digit Hydrologic Units
EPA Office of Water (OW): 303(d) Listed Impaired Waters by Causes of Impairment and Probable Sources
Smart Location Database - Download
EnviroAtlas - Acres of crops that have no nearby pollinator habitat for the Conterminous United States
EnviroAtlas - Land Cover for the Conterminous United States
EPA Office of Water (OW): 12-digit Hydrologic Unit Boundaries of the United States
Threatened and Endangered Terrestrial Animal Species Richness
EnviroAtlas - Agricultural Water Demand by 12-Digit HUC for the Conterminous United States
EnviroAtlas - Durham, NC - Ecosystem Services by Block Group
ROE Sea Level Relative
EnviroAtlas - Atmospheric Nitrogen Deposition by 12-digit HUC for the Conterminous United States (2006)
National Sole Source Aquifer GIS Layer
EPA Office of Water (OW): Impaired Waters with TMDLs NHDPlus Indexed Dataset
EnviroAtlas - Portland, OR - Ecosystem Services by Block Group



Search and Discover 101:

Introduction

- Finding Information at the EDG
 - Homepage Walk Through
 - Login
 - How to Access EPA Resources from the Homepage
 - Beyond metadata at the EDG
 - Advanced Search
 - Search Results Explained
 - Browsing Metadata at the EDG
- Finding Additional Information on using the EDG
 - About and Resource Page Walk Through
 - Help pages



Search and Discover 101: *Homepage Walk Through*

Login Help Share Your Feedback



EDG Options based on Login Status

- Not Logged In:
 - Search and Browse Unrestricted Content
 - Access Help and Resource Pages
- Logged In:
 - All of the above, Plus:
 - Access to Restricted Information
 - Access to Content Management Pages



Search and Discover 101: *Homepage Walk Through*

How to Access EPA Resources from the Homepage

Login Help Share Your Feedback

EPA Environmental Dataset Gateway (EDG)
Connecting EPA's Environmental Resources

HOME ABOUT SEARCH BROWSE DATA REUSE RESOURCES

Home

Welcome to EPA's Environmental Dataset Gateway (EDG). Anyone may use the EDG to search for publicly available data resources. EPA employees and affiliates may use the Login link at the top of this page to view all EDG content.

We would like to hear from you! Please post your questions, comments and requests concerning EPA's data assets on our [public forum](#).

Access EPA Resources

Search EPA Data

Search

Other Ways to Find EPA Data

[Advanced Search](#) [Browse EPA Records](#)

Do More with the EDG

EDG Download Site
Use EPA's Data Access Project

Reuse Components
REST, GeoRSS, Gadgets, more...

EPA Data Links:
[Contact Us](#) | [Data Finder](#) | [Data and Developer Forum](#) | [Other Environmental Data Finders](#) | [Open Source Apps with EPA Data](#) | [Data.gov](#) | [Privacy and Security](#)

Widgets **RSS News Feeds**
Podcasts **EPA Mobile**

The EDG is a metadata portal that is part of EPA's System of Registries. Please read EPA's [Privacy and Security Notice](#).
[Access EPA's National Geospatial Home Page](#) | [Access EPA's Intranet Geospatial Home Page](#)

Basic Search

- Simply enter a search term keyword in the field directly on the homepage

Advanced Search

- Accessed from either the Search tab or by clicking the Advanced Search link under the Basic Search
- enables you to narrow search results by selecting additional filters.

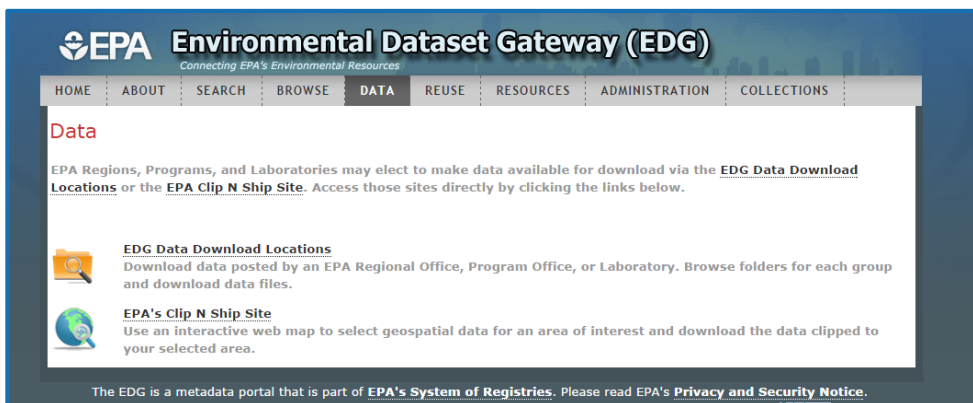
Browse

- Accessed from either the Browse tab or by clicking the Browse EPA Records link under Basic Search.
- lists a hierarchical structure of categories
- users can view the resources associated with those categories



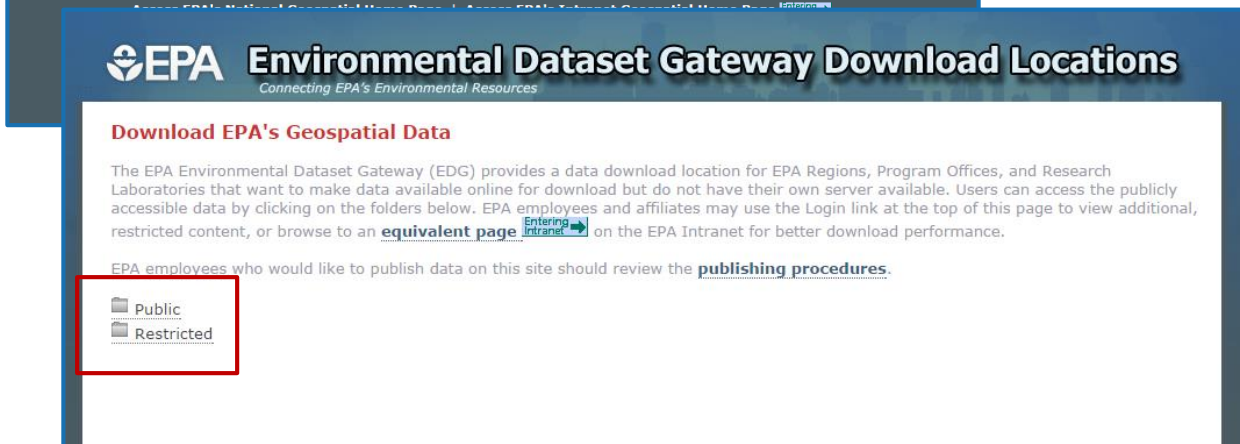
Search and Discover 101: *Homepage Walk Through*

Beyond Metadata at the EDG: Download Locations



Storage locations

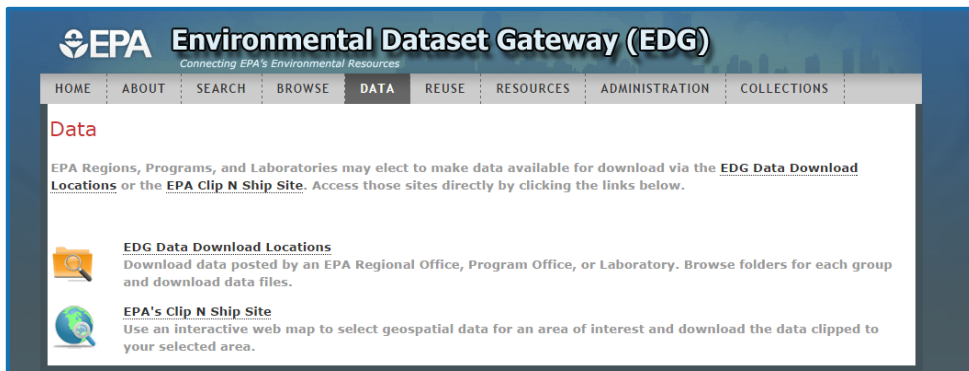
- Two locations are available:
 - **Public:**
 - location accessible to any user
 - **Restricted:**
 - location only accessible to users with an EDG login.





Search and Discover 101: *Homepage Walk Through*

Beyond Metadata at the EDG: Clip N Ship Application



- Stewards contribute geospatial data for public use
- Easily view and download EPA's publicly available data
- Clip to area of interest





Search and Discover 101: *Homepage Walk Through*

Beyond Metadata at the EDG: Reuse Components

EDG contains 3 tools that allow application developers to reuse EDG content:

- **EDG Rest Interface**
 - Output catalog content into a new web page
- **EDG Search Widget**
 - Embed a simple search tool into a web page
- **EDG CS-W Interface**
 - Allows users to query the EDG catalog using the CS-W Specification

EPA United States Environmental Protection Agency

Learn the Issues | Science & Technology | Laws & Regulations | About EPA | Search EPA.gov

Geospatial Resources at EPA

You are here: EPA Home > Geospatial Resources at EPA > EPA Geospatial Data

EPA Geospatial Data

- [Environmental Dataset Gateway \(EDG\)](#)
- [Developer Central](#)
- [Geospatial Metadata](#)

Environmental Dataset Gateway (EDG)

To find EPA's geospatial data you can visit EPA's [Environmental Dataset Gateway \(EDG\)](#). The EDG is a gateway to Web-based geospatial information and information services. It enables data consumers to discover, view and access geospatial resources (e.g., data, services, or applications) made available by EPA's program offices, regions, and labs. You can search EPA's Environmental Dataset Gateway by entering a term in the search box below. To learn more about the EDG, visit [About the Environmental Dataset Gateway](#).

EDG Featured Datasets

- EPA Office of Water (OW): Impaired Waters with TMDLs NHDPlus Indexed Dataset**
The Total Maximum Daily Load (TMDL) Tracking System contains information on waters that are Not Supporting their designated uses. These waters are listed by the state as impaired under Section 303(d) of the Clean Water Act. The status of TMDLs are also tr...
[Details Download Metadata Visualize collection Parent](#)
- EnviroAtlas - Portland, ME - Near Road Block Group Summary**
This EnviroAtlas dataset addresses the tree buffer along heavily traveled roads. The roads are interstates, arterials, and collectors within the EnviroAtlas community boundary. Forest is defined as Trees & Forest and Woody Wetlands. Sufficient tree buffer...
[Details Download Website Metadata Visualize collection Parent](#)
- National Hydrography Dataset Plus (NHDPlus)**
The NHDPlus Version 1.0 is an integrated suite of application-ready geospatial data sets that incorporate many of the best features of the National Hydrography Dataset (NHD) and the National Elevation Dataset (NED). The NHDPlus includes a stream network [...]
[Details Download Metadata Visualize collection Parent](#)

ONE \$EPA Workplace EPA Geo Resources

Search the Intranet... SEARCH

EPA GeoPlatform | Enterprise Licenses | GIS Community | Policies | Get Help

About > EPA GeoPlatform > EPA Geo Data and Services

Geospatial data resources available at EPA. The GeoPlatform allows users to order to enhance environmental decision making capabilities.

[Publish Data](#) [Services](#)

Find Data

- ▶ **Shared Enterprise Geodata and Services (SEGS)** – Provides data downloads and web services of national geospatial datasets that are of general use to all EPA users.
- ▶ **EPA Environmental Dataset Gateway (EDG)** – EDG is a metadata catalog that supports the discovery of and access to EPA's environmental datasets. **For questions regarding EDG and metadata, please contact: edg@epa.gov**

EPA GeoPlatform Online: Make a Map

Search for Geospatial Data

This tool allows you to search the EPA's Environmental Dataset Gateway (EDG).

Find Data

DEMO



Search and Discover 101: *Advanced Search*

Advanced Search Options

Welcome, charness [Logout](#) [Help](#) [Share Your Feedback](#) [EDG Inventory](#)

EPA Environmental Dataset Gateway (EDG)
Connecting EPA's Environmental Resources

[HOME](#) [ABOUT](#) [SEARCH](#) [BROWSE](#) [DATA](#) [REUSE](#) [RESOURCES](#) [ADMINISTRATION](#) [COLLECTIONS](#)

Search

Text:

☐ Include related terms

☒ Records shown from: This Site (the EDG)
Click here to select different site or configure search.

Additional Options
[Clear](#)

WHERE:
☒ Anywhere ☐ Intersecting ☐ Fully within

Text:

My Saved Searches

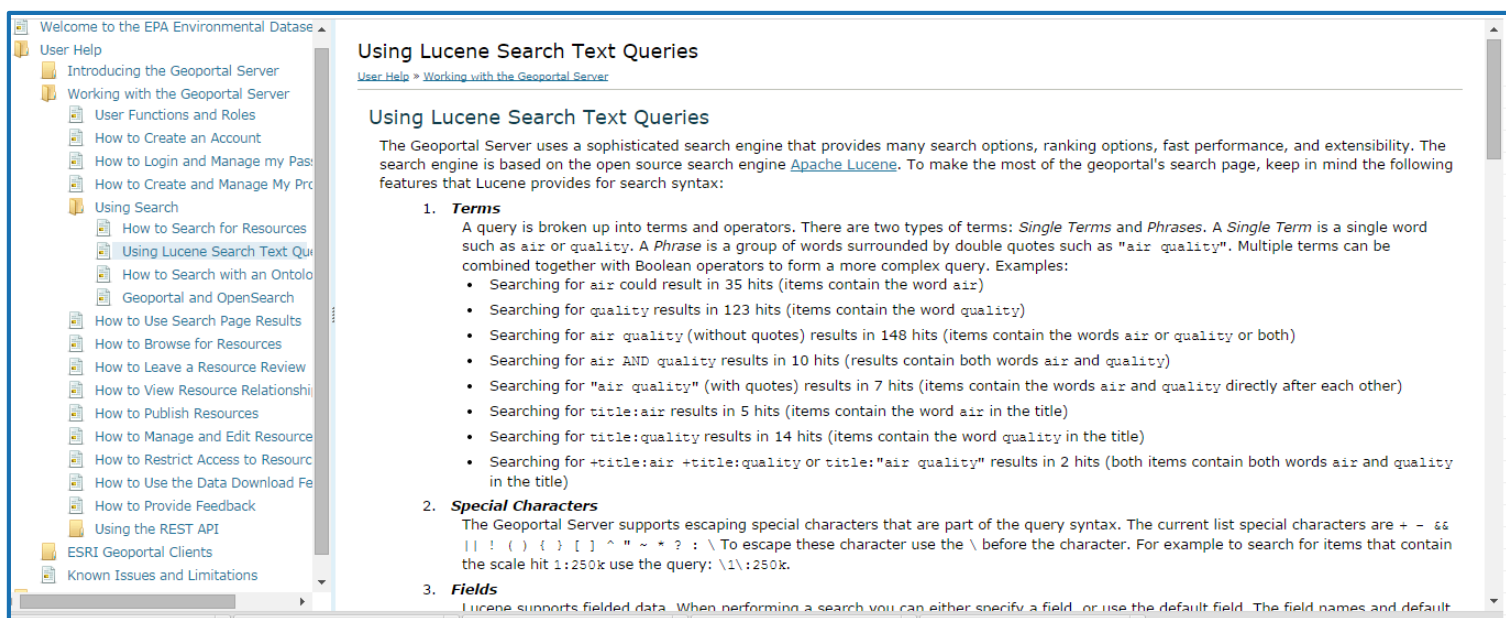
[nces](#) | [major discharger](#) | [latitude](#) | [facility site](#) | [environmental interest type](#) | [air minor](#) | [affiliation type](#) | [sqg](#) | [tris](#) | [rfs](#) | [nei](#) | [lqg](#) | [camdba](#) | [sst](#) | [alaska](#) | [rmp](#) | [waste](#) | [monitoring](#) | [brownfields](#) | [frs](#) | [rcra](#) | [national priorities list](#) | [cerclis](#) | [state](#) | [federal data download](#) | [facility](#) | [human well-being](#) | [virgin islands](#) | [regulatory](#) | [drinking water](#) | [south dakota](#) | [montana](#) | [idaho](#) | [south carolina](#) | [georgia](#) | [mississippi](#) | [illinois](#) | [alabama](#) | [utah](#) | [census block groups](#) | [epa region 6](#) | [vermont](#) | [north carolina](#) | [connecticut](#) | [kansas](#) | [impact](#) | [puerto rico](#) | [ecology](#) | [biota](#) | [iowa](#) | [land cover](#) | [health](#) | [delaware](#) | [nevada](#) | [sites](#) | [virginia](#) | [land](#) | [management](#) | [arkansas](#) | [new york](#) | [communities](#) | [new mexico](#) | [louisiana](#) | [texas](#) | [new jersey](#) | [enviroatlas](#) | [human](#) | [ecosystem](#) | [environment](#) | [united states](#) | [boundaries](#) | [ecosystem services](#) | [environmental atlas](#) | [water](#) | [surface water](#) | [natural resources](#) | [california](#) | [location](#) | [oklahoma](#) | [arizona](#) | [pennsylvania](#) | [facilities](#) | [maryland](#) | [epa](#) | [west virginia](#) | [society](#) | [washington dc](#) | [wisconsin](#) | [maine](#) | [massachusetts](#) | [hawaii](#) | [florida](#) | [missouri](#) | [nebraska](#) | [new hampshire](#) | [oregon](#) | [rhode island](#) | [air](#) | [michigan](#) | [minnesota](#) | [ohio](#) | [indiana](#) | [washington](#) | [kentucky](#) | [colorado](#) | [tennessee](#) | [north dakota](#) | [wyoming](#) | [contaminant](#) | [inlandwaters](#) | [cleanup](#) | [ground water](#) | [superfund](#) | [federal datasets](#) | [tri](#) | [npdes](#) | [public health](#) | [rcrainfo](#) | [npl](#) | [pcs](#) | [icis](#) | [acres](#) | [sdwis](#) | [aq](#) | [toxic release](#) | [afs](#) | [ncdb](#) | [regulated sites](#) | [toxics](#) | [naics](#) | [tsd](#) | [air major](#) | [duns](#) | [facility registry identifier](#) | [frs data](#) | [longitude](#) | [minor discharger](#) | [organization](#) | [program system](#)

- Using Lucene Search Text Queries
- Include related terms
- Keyword Hints
- Search additional sites
- Additional Options
- Interactive Map
- Tag search

Search and Discover 101:

Advanced Search

Advanced Search Options: Using Lucene Search Text Queries

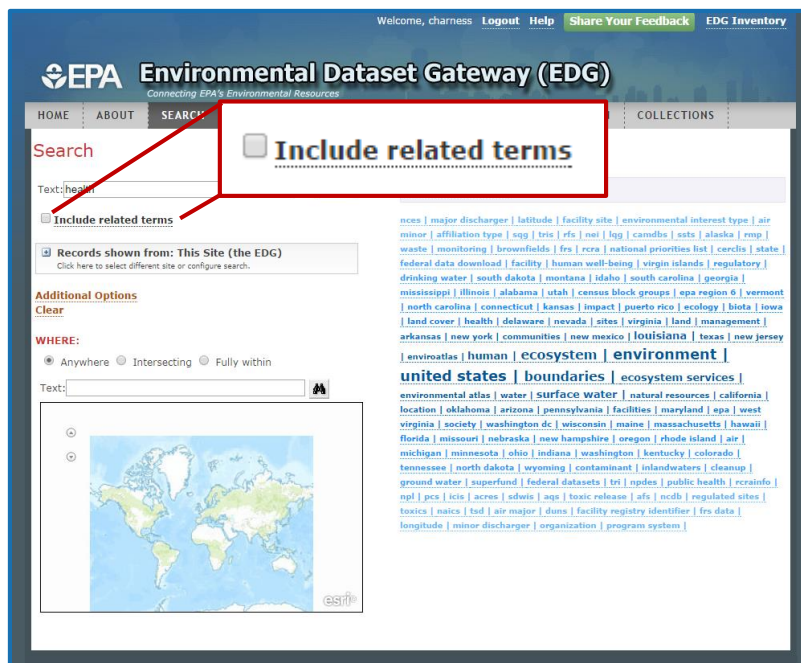


[Link to Detailed Help with Using Lucene Search Text Queries](#)

Search and Discover 101:

Advanced Search

Advanced Search Options: Include related terms



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EPA Environmental Dataset Gateway (EDG)
Connecting EPA's Environmental Resources

HOME ABOUT **SEARCH** COLLECTIONS

Search

Text: health


☐ **Include related terms**

Records shown from: This Site (the EDG)
Click here to select different site or configure search.

Additional Options
[Clear](#)

WHERE:
☒ Anywhere ☐ Intersecting ☐ Fully within

Text:



nces | major discharger | latitude | facility site | environmental interest type | air
 minor | affiliation type | xsg | tris | rfs | nei | lsg | camdbs | sts | alaska | rmp |
 waste | monitoring | brownfields | frs | rcra | national priorities list | cerclis | state |
 federal data download | facility | human well-being | virgin islands | regulatory |
 drinking water | south dakota | montana | idaho | south carolina | georgia |
 mississippi | illinois | alabama | utah | census block groups | epa region 6 | vermont |
 north carolina | connecticut | kansas | impact | puerto rico | ecology | biota | iowa |
 land cover | health | delaware | nevada | sites | virginia | land | management |
 arkansas | new york | communities | new mexico | louisiana | texas | new jersey |
 | enviroatlas | human | ecosystem | environment |
 united states | boundaries | ecosystem services |
 environmental atlas | water | surface water | natural resources | california |
 location | oklahoma | arizona | pennsylvania | facilities | maryland | epa | west
 virginia | society | washington dc | wisconsin | maine | massachusetts | hawaii |
 florida | missouri | nebraska | new hampshire | oregon | rhode island | air |
 michigan | minnesota | ohio | indiana | washington | kentucky | colorado |
 tennessee | north dakota | wyoming | contaminant | inlandwaters | cleanup |
 ground water | superfund | federal datasets | tri | npdes | public health | rcrainfo |
 npl | pcs | icis | acres | sdwis | aqs | toxic release | afs | ncds | regulated sites |
 toxics | naics | tsd | air major | duns | facility registry identifier | frs data |
 longitude | minor discharger | organization | program system |

Search will include acronyms,
synonyms and other related terms



Search and Discover 101:

Advanced Search

Advanced Search Options: Keyword Hints

When a search term is typed in the search text box, keyword hints and suggestions appear below

The screenshot displays the EPA Environmental Dataset Gateway (EDG) search interface. The top navigation bar includes links for HOME, ABOUT, SEARCH, BROWSE, DATA, REUSE, and RESOURCES. The search section features a text input field with the word "water" and a "Search" button. Below the input field, a list of keyword hints is displayed, each followed by a count in parentheses. The hints include: "accessed waters (2)", "air, rcra and water inspections (1)", "assessed water (1)", "assessed waters (5)", "backwater area (1)", "chESApeake bay watershed (15)", "clean water act (36)", "clean water needs survey (3)", "clean watersheds needs survey (1)", and "commercial water heaters (1)". A checkbox labeled "Include related terms" is present above the list. At the bottom of the search section, there is a link to "Records shown from: This Site (the EDG)" and a "Clear" button. The "WHERE:" section is also visible at the bottom left.

Search

Text:

☐ Include related terms

- [accessed waters \(2\)](#)
- [air, rcra and water inspections \(1\)](#)
- [assessed water \(1\)](#)
- [assessed waters \(5\)](#)
- [backwater area \(1\)](#)
- [chESApeake bay watershed \(15\)](#)
- [clean water act \(36\)](#)
- [clean water needs survey \(3\)](#)
- [clean watersheds needs survey \(1\)](#)
- [commercial water heaters \(1\)](#)

☒ Records shown from: This Site (the EDG)
Click here to select different site or configure search.

Additional Options
[Clear](#)

WHERE:



Search and Discover 101:

Advanced Search

Advanced Search Options: Search Additional Sites

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EPA Environmental Dataset Gateway (EDG)
Connecting EPA's Environmental Resources

HOME ABOUT **SEARCH** BROWSE DATA REUSE RESOURCES ADMINISTRATION COLLECTIONS

Search

Text:health

☐ Include related terms

☒ Records shown from: This Site (the EDG)
Click here to select different site or configure search.

My Saved Searches

[nces](#) | [major discharger](#) | [latitude](#) | [facility site](#) | [environmental interest type](#) | [air minor](#) | [affiliation type](#) | [sqg](#) | [tris](#) | [rfs](#) | [lqg](#) | [candhs](#) | [asts](#) | [alaska](#) | [rmp](#) | [waste](#) | [monitoring](#) | [brownfields](#) | [fra](#) | [rcra](#) | [national priorities list](#) | [cerclis](#) | [state](#) | [federal data download](#) | [facility](#) | [human well-being](#) | [virgin islands](#) | [regulatory](#)

Search more than the EDG

- ArcGIS Online
- Public EPA GeoPlatform Content

☒ **Records shown from: This Site (the EDG)**
Click here to select different site or configure search.

This Site (the EDG)

Select sites where the search will be distributed

You may select up to 5 sites. Please note that some external catalogs do not support keyword hints or lucene syntax, if you have problems, please try a simple text search instead.

☒ This Site (the EDG)

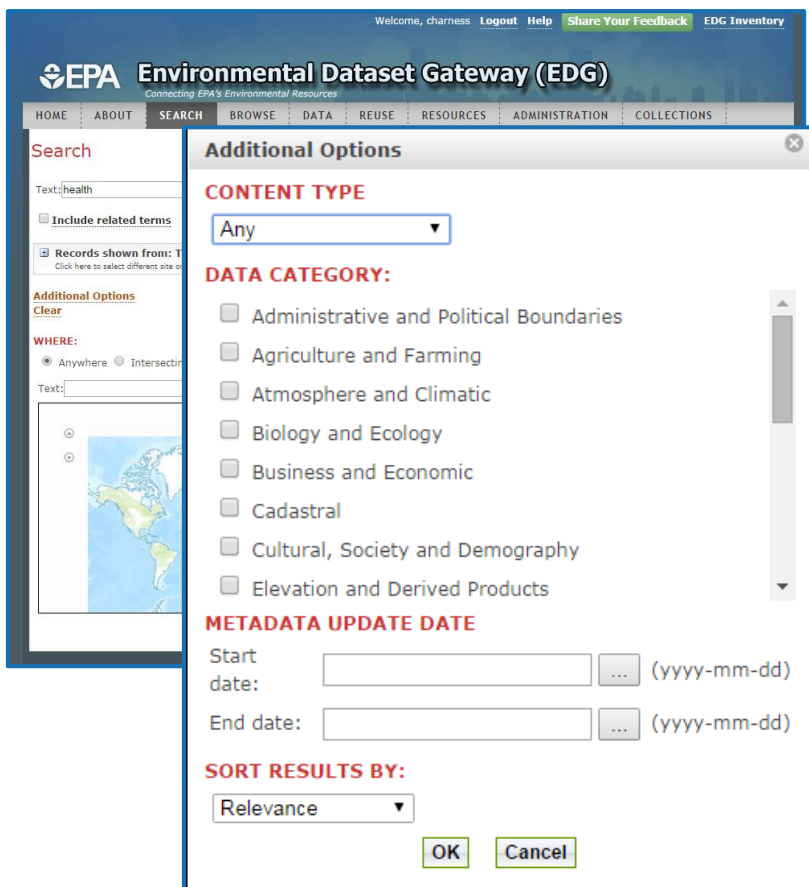
☐ Arcgis Online

☐ Public EPA GeoPlatform Content

Search and Discover 101:

Advanced Search

Advanced Search Options: Additional Options



The screenshot shows the EPA Environmental Dataset Gateway (EDG) search interface. The 'Additional Options' dialog box is open, displaying the following sections:

- CONTENT TYPE:** A dropdown menu set to 'Any'.
- DATA CATEGORY:** A list of categories with checkboxes:
 - ☐ Administrative and Political Boundaries
 - ☐ Agriculture and Farming
 - ☐ Atmosphere and Climatic
 - ☐ Biology and Ecology
 - ☐ Business and Economic
 - ☐ Cadastral
 - ☐ Cultural, Society and Demography
 - ☐ Elevation and Derived Products
- METADATA UPDATE DATE:** Fields for 'Start date' and 'End date', each with a calendar icon and a '(yyyy-mm-dd)' format hint.
- SORT RESULTS BY:** A dropdown menu set to 'Relevance'.
- Buttons:** 'OK' and 'Cancel' buttons at the bottom.

Search by Content Type

- 11 content types
- These are properties the EDG uses to identify what kind of resource is being described in a metadata record

Data Category

- 19 topic categories defined in the ISO 19115 metadata standard
- Can choose to search more than one

Metadata Update Date

- The date a resource's metadata was last modified within the EDG



Search and Discover 101: *Advanced Search*

Advanced Search Options: Interactive Map

Define the spatial extent of the records to be returned

- **Locate Tool**
 - Type place name in text box
 - EDG Map zooms in to that area
- **Map Navigation Tools**
 - Pan and Zoom
 - Anywhere – Search results will return resources from any extent
 - Intersecting – Search results will return resources that have some portion of their extent touching or included in the defined area
 - Fully within – search results will return resources that are fully contained in the defined area

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EPA Environmental Dataset Gateway (EDG)
Connecting EPA's Environmental Resources

HOME ABOUT **SEARCH** BROWSE DATA REUSE RESOURCES ADMINISTRATION COLLECTIONS

Search

Text:

☐ Include related terms


☒ Records shown from: This Site (the EDG)
Click here to select different site or configure search.

Additional Options
[Clear](#)

WHERE:

☒ Anywhere ☐ Intersecting ☐ Fully within

Text:



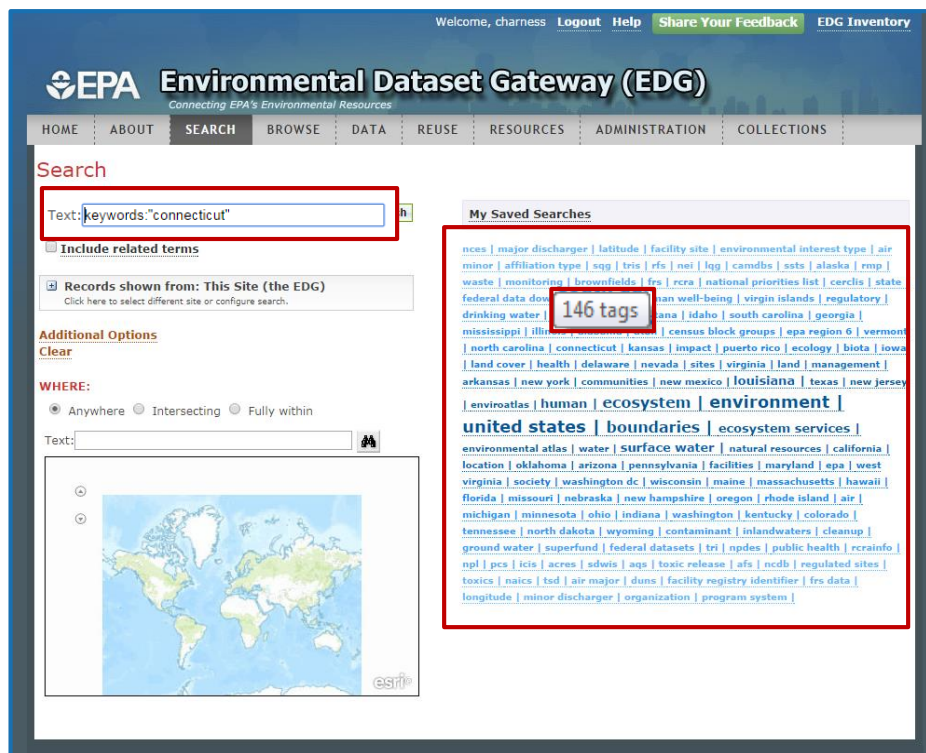
My Saved Searches

[nces](#) | [major discharger](#) | [latitude](#) | [facility site](#) | [environmental interest type](#) | [air minor](#) | [affiliation type](#) | [egg](#) | [trts](#) | [rfs](#) | [nei](#) | [tgg](#) | [candies](#) | [ata](#) | [alaska](#) | [rmp](#) | [waste](#) | [monitoring](#) | [brownfields](#) | [fres](#) | [rcra](#) | [national priorities list](#) | [cerclis](#) | [state](#) | [federal data download](#) | [facility](#) | [human well-being](#) | [virgin islands](#) | [regulatory](#) | [drinking water](#) | [south dakota](#) | [montana](#) | [idaho](#) | [south carolina](#) | [georgia](#) | [mississippi](#) | [illinois](#) | [alabama](#) | [utah](#) | [census block groups](#) | [epa region 9](#) | [vermont](#) | [north carolina](#) | [connecticut](#) | [kansas](#) | [impact](#) | [puerto rico](#) | [ecology](#) | [biota](#) | [iowa](#) | [land cover](#) | [health](#) | [delaware](#) | [nevada](#) | [sites](#) | [virginia](#) | [land](#) | [management](#) | [arkansas](#) | [new york](#) | [communities](#) | [new mexico](#) | [louisiana](#) | [texas](#) | [new jersey](#) | [enviroatlas](#) | [human](#) | [ecosystem](#) | [environment](#) | [united states](#) | [boundaries](#) | [ecosystem services](#) | [environmental atlas](#) | [water](#) | [surface water](#) | [natural resources](#) | [california](#) | [location](#) | [oklahoma](#) | [arizona](#) | [pennsylvania](#) | [facilities](#) | [maryland](#) | [epa](#) | [west virginia](#) | [society](#) | [washington dc](#) | [wisconsin](#) | [maine](#) | [massachusetts](#) | [hawaii](#) | [florida](#) | [missouri](#) | [nebraska](#) | [new hampshire](#) | [oregon](#) | [rhode island](#) | [air](#) | [michigan](#) | [minnesota](#) | [ohio](#) | [indiana](#) | [washington](#) | [kentucky](#) | [colorado](#) | [tennessee](#) | [north dakota](#) | [wyoming](#) | [contaminant](#) | [inlandwaters](#) | [cleanup](#) | [ground water](#) | [superfund](#) | [federal datasets](#) | [tri](#) | [rpdes](#) | [public health](#) | [rcrainfo](#) | [epg](#) | [pss](#) | [icis](#) | [xerox](#) | [adwts](#) | [epa](#) | [toxic release](#) | [afs](#) | [ecdb](#) | [regulated sites](#) | [toxics](#) | [notics](#) | [tad](#) | [air major](#) | [dums](#) | [facility registry identifier](#) | [frs data](#) | [longitude](#) | [minor discharger](#) | [organization](#) | [program system](#)

Search and Discover 101:

Advanced Search

Advanced Search Options: Tag Search



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EPA Environmental Dataset Gateway (EDG)
Connecting EPA's Environmental Resources

HOME ABOUT **SEARCH** BROWSE DATA REUSE RESOURCES ADMINISTRATION COLLECTIONS

Search

Text:

☐ Include related terms


Records shown from: This Site (the EDG)
Click here to select different site or configure search.

Additional Options
Clear

WHERE:

☒ Anywhere ☐ Intersecting ☐ Fully within

Text:



My Saved Searches

146 tags

nces | major discharger | latitude | facility site | environmental interest type | air
minor | affiliation type | sqg | tris | rfs | nei | lqg | camdbs | sts | alaska | rmp |
waste | monitoring | brownfields | frs | rcra | national priorities list | cerclis | state
federal data download | human well-being | virgin islands | regulatory |
drinking water | alaska | idaho | south carolina | georgia |
mississippi | illinois | census block groups | epa region 6 | vermont |
north carolina | connecticut | kansas | impact | puerto rico | ecology | biota | iowa
land cover | health | delaware | nevada | sites | virginia | land management |
arkansas | new york | communities | new mexico | louisiana | texas | new jersey
| enviroatlas | human | ecosystem | environment |
united states | boundaries | ecosystem services |
environmental atlas | water | surface water | natural resources | california |
location | oklahoma | arizona | pennsylvania | facilities | maryland | epa | west
virginia | society | washington dc | wisconsin | maine | massachusetts | hawaii |
florida | missouri | nebraska | new hampshire | oregon | rhode island | air |
michigan | minnesota | ohio | indiana | washington | kentucky | colorado |
tennessee | north dakota | wyoming | contaminant | inlandwaters | cleanup |
ground water | superfund | federal datasets | tri | npdes | public health | rcrainfo |
npl | pcs | icis | acres | sdws | aqs | toxic release | afs | ncdb | regulated sites |
toxics | naics | tsd | air major | duns | facility registry identifier | frs data |
longitude | minor discharger | organization | program system |

Search metadata keywords/tags

- List of keywords found in metadata records.
- Hovering over the Keyword in the list will give the number of records using the keyword/tag
- Click the keyword and the search is populated in the search box and the search is performed

Search and Discover 101:

Search Results Explained

Search Results Explained: Evaluate Resources














- Result Icon

 **EPA Office of Water (OW): TMDLs on Impaired Waters NHDPlus Indexed Dataset**

The Total Maximum Daily Load (TMDL) Tracking System contains information on waters that are Not Supporting their designated uses. These waters are listed by the state as impaired under Section 303(d) of the Clean Water Act. The status of TMDLs are also tr...

[Open](#) [Globe \(.kml\)](#) [ArcGIS \(.nmf\)](#) [ArcGIS \(.lyr\)](#) [Details](#) [Metadata](#)

[Zoom To](#)

-  Application
-  Clearinghouse
-  Document
-  Downloadable Data
-  Geographic Activity
-  Geographic Service
-  Live Data
-  Map Files
-  Offline Data
-  Static Map Image
-  Resource Undetermined

Result Icons

- Based on the content type defined in the resource's metadata
- *contentType* was created by ESRI and is not implemented by all metadata standards
- If *contentType* is not found in the resource's metadata. The EDG attempts to assign a content type value based on information within the record. If no information is found the resource is given "*Undetermined*" Category



Search and Discover 101:

Search Results Explained

Search Results Explained: Evaluate Resources Cont'd

EPA Environmental Dataset Gateway (EDG)
Connecting EPA's Environmental Resources

HOME ABOUT **SEARCH** BROWSE DATA REUSE RESOURCES

Search

Text: water

☒ **Expand All**

☐ Include related terms

- [accessed waters \(2\)](#)
- [air, rcra and water inspections \(1\)](#)
- [assessed water \(1\)](#)
- [assessed waters \(5\)](#)
- [backwater area \(1\)](#)
- [chESApeake bay watershed \(15\)](#)

EPA Office of Water (OW): Clean Watersheds Needs Survey NHDPlus Indexed Dataset

The Clean Watersheds Needs Survey (CWNS) is a comprehensive assessment of the capital needs to the water quality goals set in the Clean Water Act. Every four years, the states and EPA collect information about publicly owned wastewater collection and trea...

[Open](#) [Globe \(.kml\)](#) [ArcGIS \(.nmf\)](#) [ArcGIS \(.lyr\)](#) [Details](#) [Metadata](#)

[Zoom To](#)

- *Expand All* after search results are returned, allows the user to see options for viewing information about the resource.
- Resource Evaluation Options are based on the “*Online Linkage*” information within the metadata record
- The links will not appear if there is no corresponding information within the resource’s “*Online Linkage*” section of the metadata record
- The “*Online Linkage*” sequence within a metadata record is critical to the search link functions

Note: Detailed information on inputting “Online Linkage” into metadata can be found in the [Generic Metadata Style Guide](#)



Search and Discover 101:

Search Results Explained

Search Results Explained: Evaluate Resources Cont'd

EPA Environmental Dataset Gateway (EDG)
Connecting EPA's Environmental Resources

HOME ABOUT **SEARCH** BROWSE DATA REUSE RESOURCES

Search

Text: water

☐ Include related terms

[accessed waters \(2\)](#)
[air, rcra and water inspections \(1\)](#)
[assessed water \(1\)](#)
[assessed waters \(5\)](#)
[backwater area \(1\)](#)
[chESApeake bay watershed \(15\)](#)

☒ **Expand All** [2](#) [3](#) [4](#) [Last](#) [Zoom To Results](#) [Zoom To Searched Area](#)

EPA Office of Water (OW): Clean Watersheds Needs Survey NHDPlus Indexed Dataset

The Clean Watersheds Needs Survey (CWNS) is a comprehensive assessment of the capital needs to the water quality goals set in the Clean Water Act. Every four years, the states and EPA collect information about publicly owned wastewater collection and trea...

[Open](#) [Globe \(.kml\)](#) [ArcGIS \(.nmf\)](#) [ArcGIS \(.lyr\)](#) [Details](#) [Metadata](#)
[Zoom To](#)

Search Result links used to Evaluate a Resource:

- **Open** – enables a user to access a resource's website or if the resource is downloadable, it can be a direct link to a .zip file
- **Website** – access to an additional website if one has been defined
- **Details** – displays basic information about the resource (title, publisher, geographic extent, and abstract)
- **Metadata** – opens the resource's metadata XML
- **Zoom To** – zooms to the spatial extent of the resource



Search and Discover 101:

Search Results Explained

Search Results Explained: Access Resources

EPA Environmental Dataset Gateway (EDG)
Connecting EPA's Environmental Resources

HOME ABOUT **SEARCH** BROWSE DATA REUSE RESOURCES

Search

Text: water

☐ Include related terms

[accessed waters \(2\)](#)
[air, rcra and water inspections \(1\)](#)
[assessed water \(1\)](#)
[assessed waters \(5\)](#)
[backwater area \(1\)](#)
[chESApeake bay watershed \(15\)](#)

☒ **Expand All** [Zoom To Results](#) [Zoom To Searched Area](#)

EPA Office of Water (OW): Clean Watersheds Needs Survey NHDPlus Indexed Dataset

The Clean Watersheds Needs Survey (CWNS) is a comprehensive assessment of the capital needs to the water quality goals set in the Clean Water Act. Every four years, the states and EPA collect information about publicly owned wastewater collection and trea...

[Open](#) [Globe \(.kml\)](#) [ArcGIS \(.nmf\)](#) [ArcGIS \(.lyr\)](#) [Details](#) [Metadata](#)

[Zoom To](#)

Search Result links used to Access a Resource:

- **Globe (.kml), ArcGIS (.nmf), ArcGIS (.lyr)** – appear when the resource is an ArcGIS Server service, and provide direct interaction with other client applications.
- **Globe (.kml) and ArcGIS (.nmf)** – launch the search result as a live service in whichever client application a user has associated with those extensions
- **ArcGIS (.lyr)** – launch the live service as a .lyr file, which is viewable in ArcGIS Desktop or ArcGIS



Search and Discover 101:

Search Results Explained

Search Results Explained: Access Resources Cont'd

EPA Environmental Dataset Gateway (EDG)
Connecting EPA's Environmental Resources

HOME ABOUT **SEARCH** BROWSE DATA REUSE RESOURCES

Search

Text: water

☐ Include related terms

[accessed waters \(2\)](#)
[air, rcra and water inspections \(1\)](#)
[assessed water \(1\)](#)
[assessed waters \(5\)](#)
[backwater area \(1\)](#)
[chESApeake bay watershed \(15\)](#)
[clean water act \(36\)](#)
[clean water needs survey \(3\)](#)
[clean watersheds needs survey \(1\)](#)
[commercial water heaters \(1\)](#)

☒ **Expand All**

EPA Office of Water (OW): System HUC12 Indicators SDWIS 2010Q3
Public Water System location points, based on information from the Safe Drinking Water Act Information System (SDWIS/Federal) for a 2010 third quarter (SDWIS_2010Q3) baseline period, were applied to relate system latitude and longitude coordinates (LatLon...
[Details](#) [Metadata](#) [Zoom To](#)

NJPDES Surface Water Discharges in New Jersey, (1:12,000) Edition 20140917 (Strc_NJPDES_sw_pipe)
New Jersey Pollutant Discharge Elimination System (NJPDES) surface...

Internet REST links:
[GEORSS](#) [ATOM](#) [HTML](#) [FRAGMENT](#) [KML](#) [JSON](#) [DCAT](#) [CSV](#)

Intranet REST links:
[GEORSS](#) [ATOM](#) [HTML](#) [FRAGMENT](#) [KML](#) [JSON](#) [DCAT](#) [CSV](#)

Access Search results though the REST API:


- Every resource at the EDG is accessible through a REST URL
 - URL is available at the bottom of the details page
- Can use REST API to define a search
- Access resources that meet search criteria without using the EDG interface
- Can embed a REST URL in an external webpage, or subscribe to it through an RSS feed
- 8 REST format options: GEORSS, ATOM, HTML, Fragment, KML, JSON, DCAT, and CSV

/metadata/rest/document?&xml=metadata_to_html_full&f=html&id=%7B5E42E657-1258-4738-B2B9-333BB01C2230%7D




Search and Discover 101: *Search Results Explained*

Search Results Explained: Metadata Review

 **For Jan Demo**

Just for Demo

[Open](#) [Website](#) [Details](#) [Metadata](#) [Zoom To](#) 

Review button



Environmental Dataset Gateway (EDG)

Connecting EPA's Environmental Resources

[HOME](#) [ABOUT](#) [SEARCH](#) [BROWSE](#) [DATA](#) [REUSE](#) [RESOURCES](#) [ADMINISTRATION](#) [COLLECTIONS](#)

[Details](#) [Review](#) [Relationships](#)

For Jan Demo




Ratings for this resource: 0  1  You voted:  You can:  

Comments 1

Add a comment:

Fix Link


Post

charness 2016-01-11   


broken link

Review Page

- Vote thumbs up/down
- Post comments

 **For Jan Demo**

Just for Demo

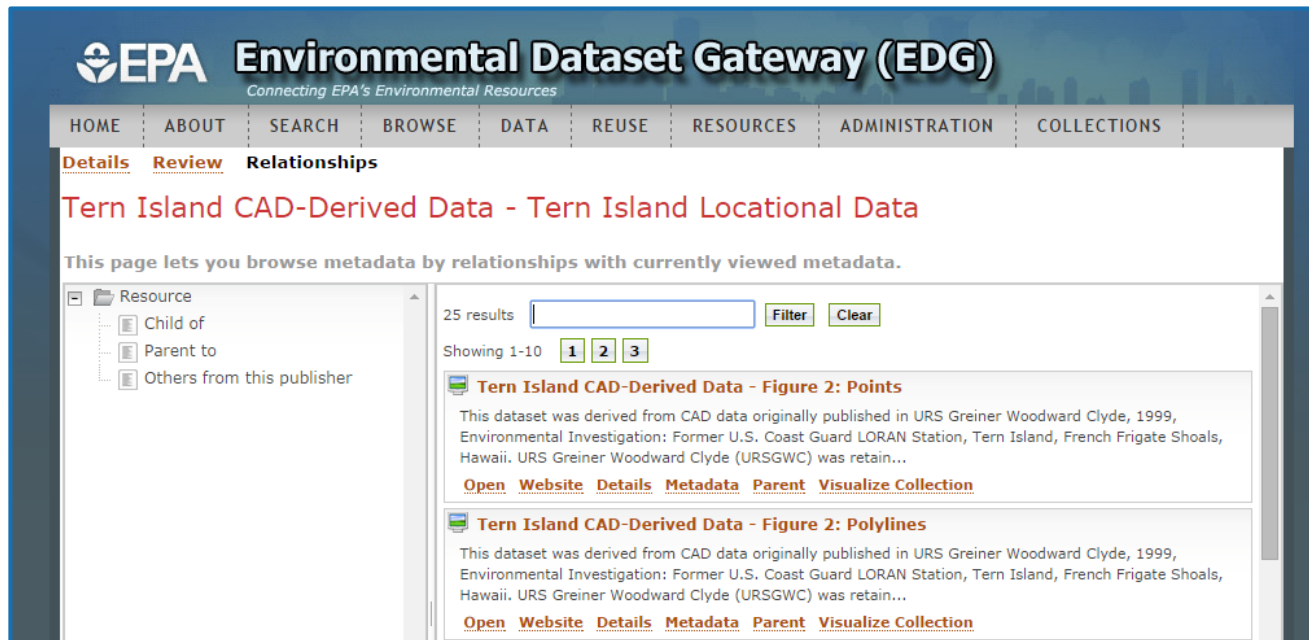
[Open](#) [Website](#) [Details](#) [Metadata](#) [Zoom To](#) 

Search Results After Review

Search and Discover 101:

Search Results Explained

Search Results Explained: Metadata Relationships



The screenshot displays the EPA Environmental Dataset Gateway (EDG) interface. The top navigation bar includes links for HOME, ABOUT, SEARCH, BROWSE, DATA, REUSE, RESOURCES, ADMINISTRATION, and COLLECTIONS. Below this, the 'Relationships' tab is selected, showing the title 'Tern Island CAD-Derived Data - Tern Island Locational Data'. A sub-header states: 'This page lets you browse metadata by relationships with currently viewed metadata.' On the left, a tree view under 'Resource' lists 'Child of', 'Parent to', and 'Others from this publisher'. The main content area shows 25 results, with the first two displayed: 'Tern Island CAD-Derived Data - Figure 2: Points' and 'Tern Island CAD-Derived Data - Figure 2: Polygons'. Each result includes a brief description and a row of links: Open, Website, Details, Metadata, Parent, and Visualize Collection.

Browse metadata by relationships


- Child of
- Parent to
- Others from this publisher



Search and Discover 101:

Finding Additional Information at the EDG

Finding Additional Information at the EDG: About Page



Environmental Dataset Gateway (EDG)

Connecting EPA's Environmental Resources

- HOME
- ABOUT
- SEARCH
- BROWSE
- DATA
- REUSE
- RESOURCES
- ADMINISTRATION
- COLLECTIONS

About the EDG

Key EDG Features

- **Search and Discovery** - Use simple, advanced, federated, and targeted search to find geospatial and non-geospatial information resources. Check "Include Related Terms" to expand results based on acronyms and other related terms from the EPA Science Vocabulary. Keyword hints are also available to help users perform meaningful searches.
- **Data Download** - Access data provided by EDG contributors at the EDG Download Site.
- **Web-based Map Viewer** - The EPA Geoplatform Online Map Viewer is used to display geospatial resources (web services) that are discovered in the EDG.
- **Reuse Components** - Use REST outputs (GeoRSS, KML, HTML), EDG Widget, and Catalog Service for the Web interface.
- **Contribute and Manage Metadata** - Create, upload, and manage metadata that references geospatial and non-geospatial resources your EPA organization has produced.

About EDG

- [EDG Fact Sheet \(PDF\)](#)
- [EDG Standard Operating Procedure and Governance Document \(PDF\)](#)
- [List of EDG Stewards \(opens new window\)](#)

Help With EDG Functionality


- [How to Get Started Publishing Metadata to EDG \(PDF\)](#)
- [How to Post Data to EDG Clip N Ship \(PDF\)](#)
- [How to Post Data to EDG Download Sites \(PDF\)](#)
- [How to Capture and Use RSS Feeds from EDG \(PDF\)](#)
- [How to Get Started with EDG Reuse \(PDF\)](#)
- [Get Help Logging In](#)

Help With Metadata Creation

- [EPA Recommendations for Metadata Documentation \(PDF\)](#)
- [EPA Metadata Editor \(opens new window\)](#)
- [EPA Geospatial Metadata Technical Specification \(PDF\)](#)
- [EPA Generic Metadata Style Guide \(PDF\)](#)
- [Project Open Data Metadata Schema](#)

Related Information

- [EPA's National Geospatial Program](#)
- [Data.gov](#) [EXIT Disclaimer](#)



Divided into 5 Categories

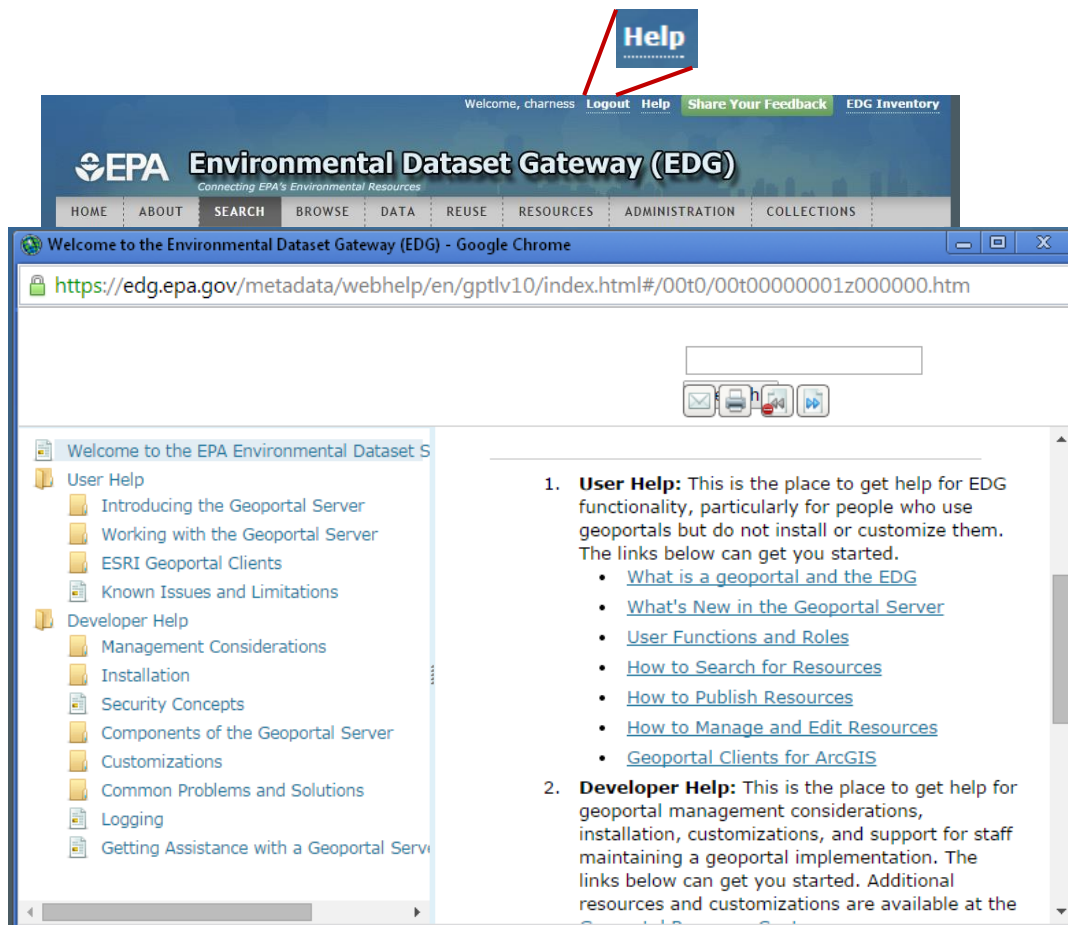
- Key EDG Features
- About EDG
- Help with EDG Functionality
- Help with Metadata Creation
- Related information



Search and Discover 101:

Finding Additional Information at the EDG

Finding Additional Information at the EDG: Help System



Help System

- 2 Types of Help
 - User Help
 - Developer Help
- Allows free text search
- Content-sensitive help

DEMO



Search and Discover 101:

Important URLs

- Using Lucene Search Text Queries:
https://edg.epa.gov/metadata/webhelp/en/gptlv10/index.html#/Using_Lucene_Search_Text_Queries/00t000000004000000/
- EDG about page:
<https://edg.epa.gov/metadata/catalog/content/about.page#>
- EDG Reuse Document:
https://edg.epa.gov/metadata/webhelp/en/gptlv10/inno/EDG_Reuse.pdf
- Questions/Help, email: edg@epa.gov



Questions?

Ana Greene

EDG Program Manager

Greene.Ana@epa.gov